SHARP

THE POWER BEHIND IN-HOUSE
DOCUMENT PRODUCTION AND CONTROL

SHARP *DOCUMENT* SOLUTIONS

THE CENTRE OF YOUR ENTERPRISE COMMUNICATIONS STRATEGY

Print, copy, fax, scan, file, *manage**. The Sharp AR-M620 offers a complete communications system designed to be at the centre of every networked office. Fast, efficient and versatile, this powerful multifunction device can give you everything you need for bringing your day to day document production in house and improving workflows.
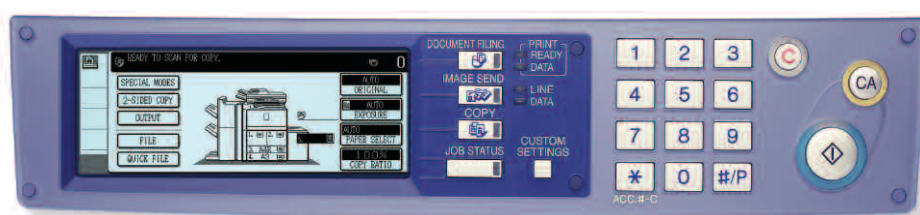
Professional finishing options

A wide range of finishing options including offset collation, automatic post insertion, saddle stitch stapling, folding and hole punching mean that you can easily create professional looking reports, booklets and manuals with minimum effort and cost.

Greater productivity

Multi-page, double-sided documents can be rapidly scanned in preparation for copying, printing or sending across the network, while Sharp's powerful desktop monitoring software saves even more time by allowing the user to view the status of the machine without leaving the desk.

...DESIGNED WITH SIMPLICITY IN MIND

Thanks to its intuitive LCD front panel display that gives users easy fingertip control of all copy, print, fax, scan, file functions, everyone in your department can start benefiting from the Sharp AR-M620 right away.

The bottom line

Perfect for high-speed printing and copying, powerful scanning and faxing, and versatile document management with tough security, the AR-M620 is perfect for any document production environment. And because it's made by Sharp, you get that built-in reliability; page after page, job after job and month after month.

*Print function for AR-M620U requires optional AR-P19 Network printer board. Fax function requires the AR-FX8 Fax expansion kit. Scan function requires the AR-NS3 Network scanner kit plus the AR-P19 Network printer board.

KEY FEATURES

High performance printing and copying

Race through large jobs at speeds of 62 pages per minute. First page appears in 3.9 seconds. Fine toner particles for high quality output. Automatic double-sided printing* and copying up to A3. Job Control function for assigning job priorities from LCD panel.

Powerful network scanning

Best-in-class 150-sheet scanner for speedy scanning of 2-sided originals at up to 76 ppm. Optional network scanning function improves workflow with Lightweight Directory Access Protocol (LDAP) support to provide a seamless connection to your email server for easy browsing of addresses across the network.

Integrated fax with choice of transmission

Optional integrated Super G3 fax for reduced transmission times. Send and receive double-sided documents up to A3. Multi-access capability lets you scan a document even when the fax is receiving an incoming transmission.

Professional finishing options

Wide range of finishing options including offset collation; automatic post insertion; saddle stitch stapling, folding and hole punching.

Security you can trust

The AR-M620 has the capability to provide a secure office environment with firewall protection, encryption and secure erasure of data to protect sensitive and confidential information.
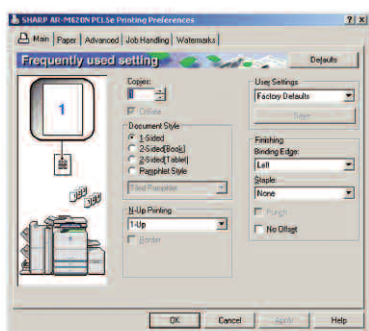
Efficient filing for faster workflows

Dedicated Document filing system stores digital documents in either shared or private folder to improve your workflow efficiency.

* AR-M620U requires optional AR-P19 Network printer board.

HIGH PERFORMANCE PRINTING

Built for speed...

The Sharp AR-M620's impressive 62 ppm speed is just one of its powerful performance features. Its built-in dedicated processor effortlessly handles even the most complex graphics files, while the RIP Once, Print Many feature accelerates the production of multiple prints by minimising human intervention and eliminating additional processing. And if even 62 ppm isn't enough, you can run two machines in tandem to double the output speed.

AT A GLANCE

- **Fast, high-volume printing***[1] *at a speed of 62 ppm*

- **Fast warm up** *- recovery time from sleep mode is less than 2 minutes*

- **Duplex printing, even on heavy paper** *- up to 205 g/m^2 for any office printing demand*

- **PDF/TIFF direct print***[2] *– save valuable time by printing PDF and TIFF files without using the printer driver, either by calling and printing the file directly from an FTP server, direct printing from a web page or direct printing of email attachments*

- **Supports PCL5e and PCL6** *printer language emulation with Sharp Common Graphic User Interface for ease of use*

- **PostScript 3***[2] *is available for compatibility with more fonts and better graphics handling*

- **Sharp standard printer driver** *for ease of use*

...and exceptional quality

As you'd expect from Sharp, the AR-M620 delivers exceptional quality. Its fine particle toner technology, 1200 x 600 dpi resolution and 256-level greyscale all combine to give every page the crispness and clarity you need for that professional look.

[1] AR-M620U requires optional AR-P19 Network printer board
[2] Requires optional AR-PK5 PostScript 3 expansion kit together with AR-P19

FAST, RELIABLE COPYING

Designed for maximum productivity...

The Sharp AR-M620 copies as fast as it prints, with speeds of 62 pages per minute and a first copy out time of 3.9 seconds. What's more, its long-life consumables and high capacity trays with auto tray switching mean that jobs can be completed with minimal interruptions even in large workgroup environments. The result? More time spent productively and less time wasted in front of an idle copier.

AT A GLANCE

- *Increased paper capacity* – holds 3,100 sheets as standard, expandable to 6,600

- *High output capacity* - up to 4,000 sheets for longer print and copy runs

- *Auto tray switching* – reduces interruptions by automatically switching to a different tray when the first becomes empty

- *Powerful job build function* - up to 10,000 original pages* can be scanned in batches and stored for combination into a single job

- *Proof copy feature* - available with the Document Filing function, this feature reduces waste and saves money by creating a single set of documents for checking before you start the main production

* Measured by Sharp standard chart (A4 at 6% coverage)

...and dependable reliability

The Sharp AR-M620 has the built-in reliability you need for day in, day out high volume work. It has a strong chassis designed for extra rigidity and durability; a full grip paper feed for improved paper handling; an efficient external heating system for less than 2 minutes warm-up time, and a short paper path for greater reliability.

AT A GLANCE

- *Built to last* – highly rigid frame for extra durability

- *Reliable paper feeding* - full grip path design for enhanced reliability

- *Reduced warm up time* - new, energy efficient external heating system for faster start ups and maximum reliability

- *Greater transfer stability* - the transfer belt improves reliability and transfer efficiency

POWERFUL NETWORK SCANNING

With the 150 sheet, duplex single-pass feeder you can scan both sides of a page at once. This speed and simplicity lets you quickly scan two-sided originals at up to 76 pages per minute.

Scanned documents can be converted into fully editable files for use in common office applications, printed or distributed by email. And whatever you're scanning, whether it's just a few pages or an entire manual, you can scan across the network*[1] directly to your PC.
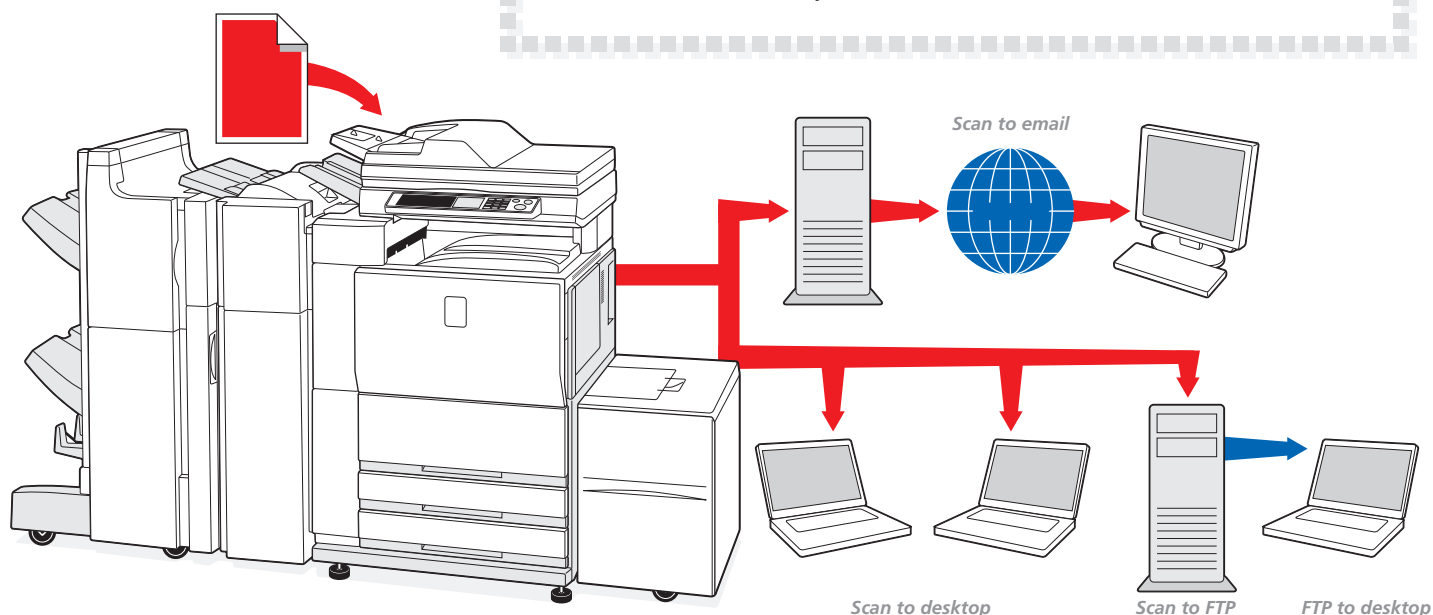
*[1] Requires AR-NS3 Network scanner kit and AR-P19
*[2] At 200 x 200 dpi
*[3] Measured by Sharp standard chart
    (A4 at 6% coverage)

AT A GLANCE

- **Best-in-class** 150 sheet A3 duplex scanner
- **Scan up to 76 pages** per minute*[2]
- **Scan** to email, Sharpdesk™ document management software, FTP server or hard disk
- **Lightweight Directory Access Protocol** (LDAP) allows easy browsing and selecting of email addresses for rapid distribution of scanned documents. Automatic synchronisation with your primary email server
- **Full support for Kerberos** network authentication protocol for secure connection and browsing of email addresses
- **Internet fax capability** is supported for cost-saving fax transmission
- **Scans at up to 600 x 600 dpi**
- **Job Build function** saves time by letting you scan, store and combine up to 10,000 pages*[3] for the final production of a single job
- **Stores up to 500 destinations** for rapid document transmission
- **Special editing features** for extra versatility, including: 2-in-1 copying, card shot and margin shift
- **Twain scanner driver***[1] lets you accurately select specific areas of an original document to scan from your PC

Scan to email

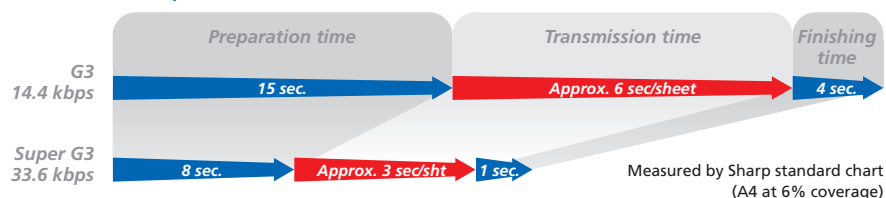Scan to desktop   Scan to FTP   FTP to desktop

INTEGRATED FAX WITH CHOICE OF TRANSMISSION

With the optional fax expansion kit* installed, the AR-M620 reduces the time and effort it takes to send a fax, whether it's to one destination or up to 500. What's more users can benefit from an integrated 33,600 bps Super G3 fax for faster transmission of multi-page documents.
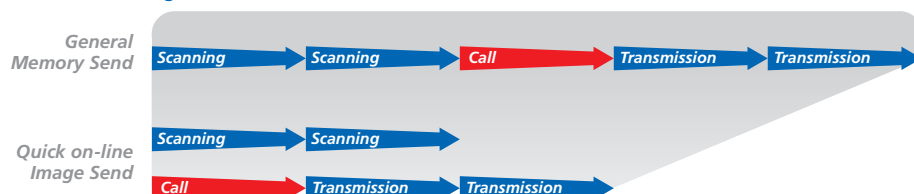
AT A GLANCE

- **Extremely versatile** – send or receive single or double sided faxes up to A3

- **Saves time** – duplex single pass feeder for simple transmission of complex, multi-page documents.
    - Super G3/JBIG compression for extra speed
    - Online transmission reduces total operation time

- **Reduces cost and effort** – PC fax driver for sending faxes directly from your PC

- **Faster results** – dials while still scanning, prints while still receiving

- **Rapid transmission** - to up to 999 one-touch destinations

- **Dependable** - flash memory protects you from data loss through power failure

- **Capable** - duplex single pass feeder scans two-sided originals at up to 76 ppm
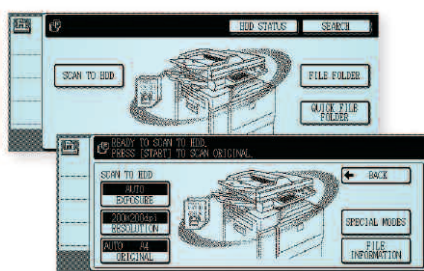
Super G3 and JBIG compression

	Preparation time	Transmission time	Finishing time
G3 14.4 kbps	15 sec.	Approx. 6 sec/sheet	4 sec.
Super G3 33.6 kbps	8 sec.	Approx. 3 sec/sht	1 sec.

Measured by Sharp standard chart (A4 at 6% coverage)

Quick on-line Image send

General Memory Send	Scanning	Scanning	Call	Transmission	Transmission

Quick on-line Image Send	Scanning	Scanning			
	Call	Transmission	Transmission		

* AR-FX8 Fax expansion kit

EFFICIENT FILING
FOR FASTER WORKFLOWS

Document workflows are more efficient than ever before thanks to a dedicated internal hard disk that centrally stores documents and previous jobs for fast retrieval. This allows recently completed print runs to be repeated without recreating the job, saving on processing time and user intervention. Features include:

Quick Filing with temporary storage

Up to 10,000 pages[1] that have been copied, printed, scanned or faxed can be stored on the hard disk for future use without having to reload or rescan the original.

Advanced Filing Function[2]

Up to 20,000 pages[1] that have been copied, printed, scanned or faxed can be stored on the hard disk with customised names and locations. Storage options include:

- *Main folder – for storing files in main public folder and sharing them across the workgroup*
- *Custom folders – for storing documents in private personal folder with access controlled by a PIN code*
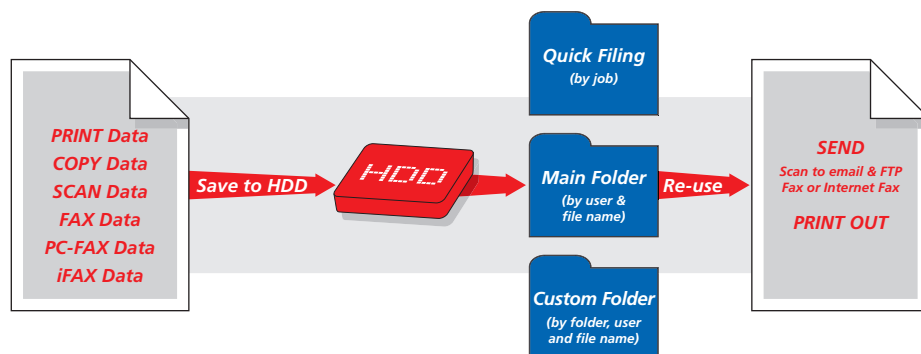
Easy Access

Documents that are stored on the AR-M620's hard disk can be accessed from the front panel display or through a web page.

Secure Storage

The optional Data Security Kit protects your data by encrypting it as it is stored.

[1] Measured by Sharp standard chart (A4 at 6%)
[2] Requires AR-P19 Network printer board

PRINT Data
COPY Data
SCAN Data
FAX Data
PC-FAX Data
iFAX Data

Save to HDD

HDD

Quick Filing
(by job)

Main Folder
(by user &
file name)

Custom Folder
(by folder, user
and file name)

Re-use

SEND
Scan to email & FTP
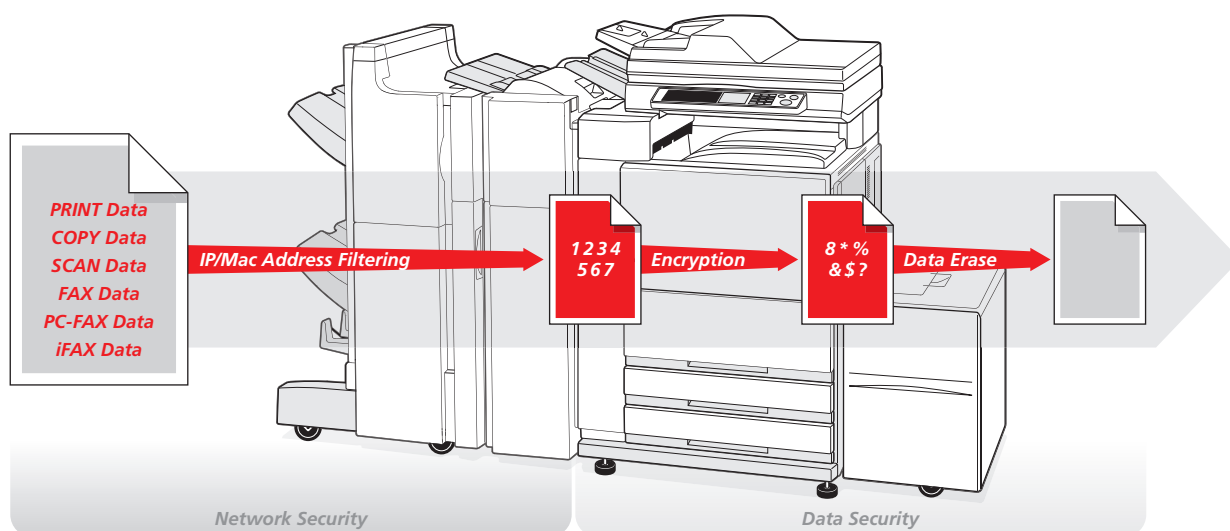Fax or Internet Fax

PRINT OUT

SECURITY YOU CAN TRUST

At Sharp we take document security extremely seriously. That's why we've incorporated several additional features to protect your data and documents from unauthorised access, including two-way data security. All requests for access to the Sharp AR-M620 are filtered and checked for permission and unauthorised attempts are automatically blocked. Data stored on the hard disk is encrypted to give a second level of security and it can be securely overwritten to prevent even the most determined hacking attempts. What's more, the AR-M620 comes with a PIN-controlled job accounting function for improved cost control without compromising security.

AT A GLANCE

- **Data Security Kit*¹** – encrypts data on the hard disk and safely removes it after use

- **Secure Network Card*²** – provides a firewall that prevents direct connections and access by unauthorised users

- **Confidential Data Storage and Printing*²** – protects sensitive information by requiring the user to enter a PIN code before the documents are produced
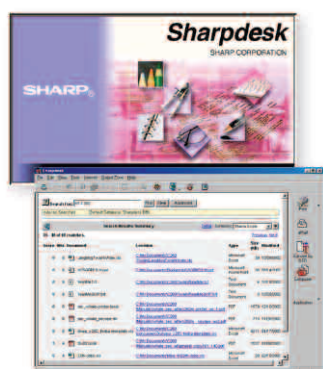
PRINT Data
COPY Data
SCAN Data
FAX Data
PC-FAX Data
iFAX Data

IP/Mac Address Filtering

1 2 3 4 5 6 7

Encryption

8 * % & $?

Data Erase

Network Security

Data Security

*¹ Requires AR-FR11 Data security kit
*² Requires AR-P19 Network printer board
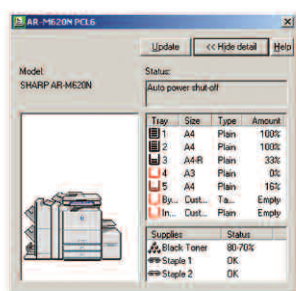
ADVANCED
UTILITY SOFTWARE

Sharpdesk

Sharpdesk™ document management software* gives you and your colleagues a powerful, desktop-based, document management system. It lets you browse, sort, search, file and share documents with anyone on the network. And for extra ease of use it allows the creation and distribution of complete reports, proposals and more, with a simple drag and drop interface.

- Intuitive desktop display with thumbnail viewing
- Sharpdesk Imaging software for modifying documents
- Document Composer for layout and printing
- Optical Character Recognition (OCR) for scanning documents into editable text files
- Output Zone for distributing files to email, printers and other applications
- Simple operation for direct scanning to a PC desktop
- File search by file name, key word or thumbnail
- File Composing makes document management easy

Sharp Status Monitor

Sharp Status Monitor lets you remotely check the status of the AR-M620 - to see if it has sufficient paper and toner, for instance – before starting the job and without leaving your desk. In addition, Sharp Status Monitor eliminates wasted trips to the device by notifying you when your job has been completed and is ready for collection, through a simple, icon-based graphical interface on your desktop.

Sharp Printer Administration Utility

Sharp's original Printer Administration Utility software makes printer networks easier to manage by allowing Network Administrators to customise monitored items and view settings such as the IP address directly from their PC. Printer Status Windows conveniently allow you to monitor important printer information on your PC, including on-line/off-line status, name of the active print job, and machine conditions such as amount of paper or toner.
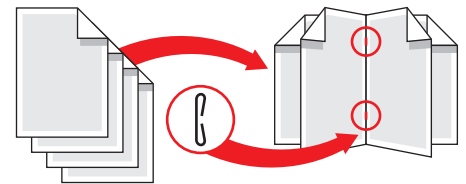
* Requires AR-NS3 Network scanner kit and AR-P19.

PROFESSIONAL FINISHING
OPTIONS & SPECIAL APPLICATIONS

The Sharp AR-M620 delivers exceptional value for money by letting you specify exactly the options you need. Starting from a base model, you can easily add a broad variety of features to automate and streamline the production of a wide range of documents. Tab copy/print, document insertion, centre folding, saddle stitching and hole punching let you produce a wide variety of fully finished, multi-page documents in a range of formats and on specialist media.

Pamphlet copy/print

Creating professional-looking booklets without the cost of using a printing company has never been easier. Documents are automatically collated, folded and saddle stitched*[1] at the end of the print run – all you have to do is collect the fully finished product.
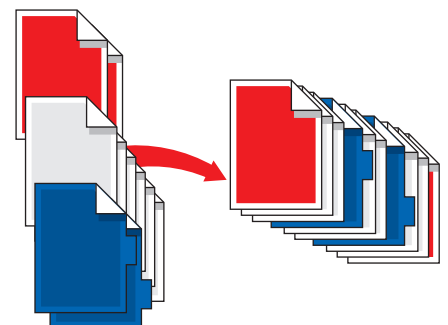
Tab copy/print

The tab copy/print function lets you print directly onto the tabs on document separators, eliminating the need for hand-written labels and creating a more professional look to multi-page documents. The document separators can then be automatically included in the finished product by using the Inserter feature.
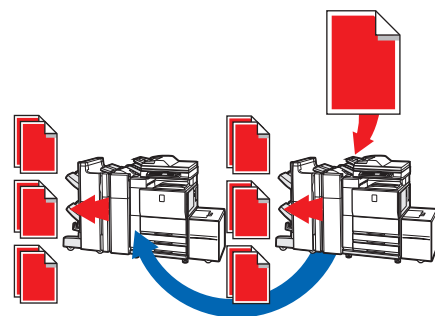
Inserter*[2]

This function allows you to automatically feed blank or pre-printed documents into your print or copy run. Use it for producing reports, catalogues, manuals and more, faster and with greater control of the process than using an external agency.
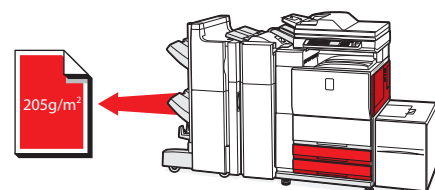
Network tandem*³

The network tandem feature lets you tackle the largest jobs with the most urgent deadlines by effectively doubling the output speed to 124 pages per minute. This is achieved by running two AR-M620 multifunction systems on the same network and sharing the load between them.
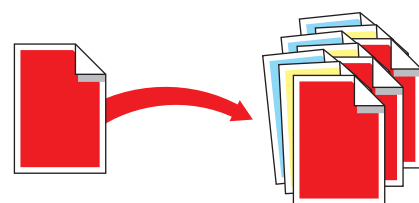
Duplex unit for heavy paper

Input trays 3 and 4 - and the bypass tray - can all be used for printing both sides of heavy stock up to 205 g/m^2. These pages can be inserted*², folded, and saddle stitched*¹ as normal, making it easy to produce fully finished booklets.
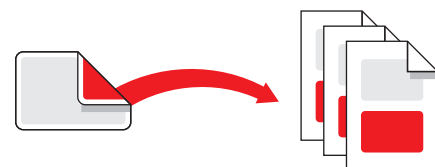
205g/m²

Carbon copy print

Print multiple copies of the same data on plain and/or coloured paper fed from different paper trays for quotations, debit notes, invoices, purchase orders and more.

Card shot copy/scan

A useful feature for one-touch copying of both sides of a credit card sized original onto a single page without time-consuming reconfiguration.

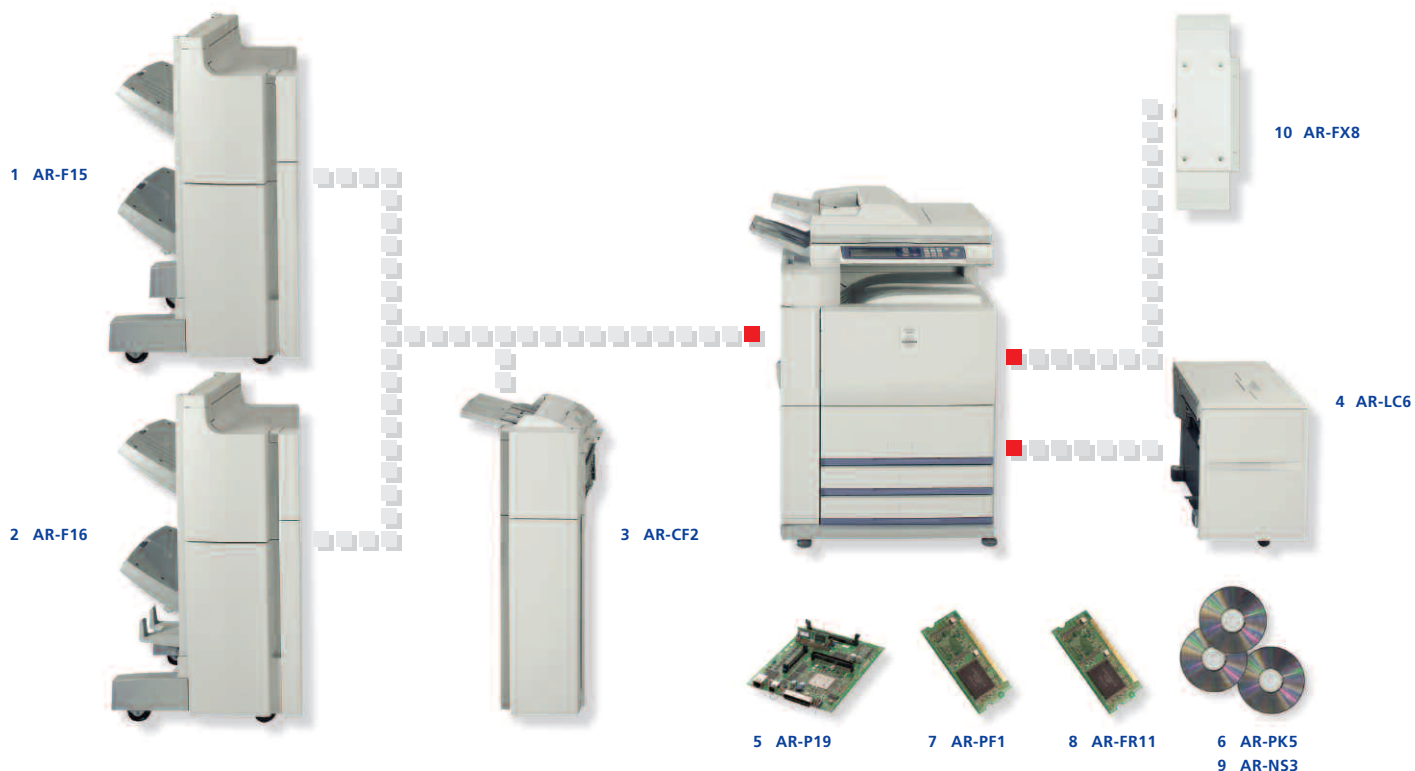## Confidential data storage and printing*³

Protects documents from unauthorised viewing by requiring the originator to enter a private PIN at the control panel before file retrieval or document production begins.

*¹ Requires AR-F16 Saddle finisher
*² Requires AR-CF2 Inserter
*³ Requires AR-P19 Network printer board

OPTIONS

1 AR-F15

2 AR-F16

3 AR-CF2

4 AR-LC6

10 AR-FX8

5 AR-P19   7 AR-PF1   8 AR-FR11   6 AR-PK5
9 AR-NS3

FINISHING

1. AR-F15 Finisher
2000 sheets for each tray (A4, 80 gsm), Offset stack, 50 sheets multi-position staple, 60-256 gsm, Optional hole punch function

2. AR-F16 Saddle Finisher
2000 sheets for each tray (A4, 80 gsm), Offset stack, 50 sheets multi-position staple, 60-256 gsm, 15 sheets saddle stitch (A4, 80 gsm) and folding, Optional hole punch function:
AR-PN4A 2 hole punch unit
AR-PN4C 4 hole punch unit
AR-PN4D 4 hole wide punch unit
(Optional punch unit can be installed to both AR-F15 and AR-F16)
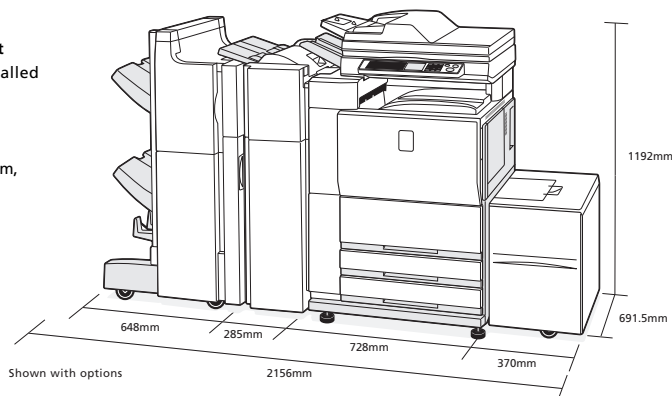
3. AR-CF2 Inserter
100 sheets (A4, 80 gsm), 60-256 gsm, Off-line finishing*

* AR-F15 or AR-F16 is required.

BASE UNIT

4. AR-LC6 Large Capacity tray
A4, 3,500 sheets (80 gsm), 60-105 gsm

CONNECTIVITY BOARD

5. AR-P19 Network printer kit
Network printer (PCL5e, PCL6) board with interface (IEEE1284, USB2.0, 10/100BaseTX)

6. AR-PK5 Postscript 3 kit
Enables PostScript printing

7. AR-PF1 Barcode font kit
Barcode and OCR font kit

8. AR-FR11 Data security kit
Enables Data encrypting and erasing

9. AR-NS3 Network scanner kit
Enables scanning to desktop, FTP and/or e-mail, Internet Fax function

Additional license for Sharpdesk
AR-U11M x 1 User
AR-U15M x 5 Users
AR-U1AM x 50 Users
AR-U1BM x 100 Users

10. AR-FX8 Fax expansion kit
Super G3 fax module.
AR-MM9 Fax Expansion Memory

1192mm

691.5mm

648mm   285mm   728mm   370mm

Shown with options   2156mm

SPECIFICATIONS AR-M620U

GENERAL

Base Engine

Type	Console
Technology	Laser
Paper Size - Max.	A3
Paper Size - Min.	A5R
Standard Paper Capacity	3,100: 1x2000 + 2x500 + Bypass(100) sheets
Maximum Paper Capacity	6,600: 1x2000 + 2x500 + 3500 + Bypass(100) sheets
Paper Weight (g/m²)	60-205 (Bypass 64-205)
Output Capacity	250 sheets (Face down)
Warm-up Time	Less than 120 sec.
Memory	128MB: (Max.384MB) + 40GB Hard Disk
Power Consumption	1450 W
Dimensions (W D H)	728 x 679 x 1192mm
Weight	185 kg

Document Feeder

Duplex Single Pass Feeder (DSPF)	Standard
Original Capacity	150 sheets
Original Replacement Speed (Originals/Min)	65 opm
Paper Weight (g/m²)	50-205

COPIER

Copy Speed	62 cpm
First Copy Time	3.9 sec
Print Resolution (Equivalent)	1200 x 600 dpi
Duplex	Standard
Max. Original Size	A3
Continuous Copy	Max. 999
Scan Resolution	600 x 600 dpi
Zoom Range	Platen : 25 - 400 %, DSPF : 25 - 200 %

DOCUMENT FILING

Capacity of Document Filing	16GB, 30,000 pages (A4 at 6% coverage*¹) or 4,000 files
Stored Job	Copy job, Print job*², Scan Job*³, Fax transmission job*⁴
Stored folder	Main Folder
	Custom Folder (Max. 500 folder)
	Quick folder
Confidential storage	Yes (with ID and PIN code)

*¹: measured by Sharp standard chart
*²: AR-P19 is required
*³: AR-NS3 is required
*⁴: AR-FX8 is required

NETWORK PRINTER

Opt. (AR-P19) for AR-M620U.

Print Speed	62 ppm
Page Description Language (Emulation)	Standard : PCL5e, PCL6
	Opt : Post Script3 (AR-PK5)
Interface	IEEE1284, USB 2.0, 10/100BaseTX,
Supported Operating Systems	Win/95/98/Me, WinNT4.0/2000/XP
	Macintosh OS 8.6 or later
	Except OS 10.2.2 (with AR-PK5)
Bundled Utility Software	Sharp Printer Administrator Utility, Status Monitor

SCANNER

Opt. requires AR-P19 and AR-NS3.

Resolution	200dpi, 300dpi, 400dpi, 600dpi
Duplex Scanning	Yes
File Format Supported	PDF, TIFF, TIFF-F, TIFF-FX
Destination	Sharpdesk, FTP, E-mail, HDD
Address Setting	Build-in keyboard, LDAP (Digest MD5, NTLM, Kerberos)
Bundled Utility Software	Network Scan Tool,
	Sharpdesk (10 licenses), TWAIN driver
Internet Fax	
- Support System	POP, SMTP, ESMTP server
- Compression Method	MH, MMR
- Duplex Send/Receive	Yes
- Divided Receive	Yes

FAX

Opt. (AR-FX8)

Communication Protocol	Super G3,
Modem Speed Max.	33,600 bps
Document Size Max.	A3
Document Size Min.	A5R
Compression Method	MH, MR, MMR, JBIG
Dial Registration	Up to 500 destinations (including e-mail address)
Broadcast Transmission	Yes, Max. 300 destinations
Bundled Utility Software	PC Fax Driver

Options

Model name	Description
AR-LC6	3,500 sheets large capacity tray
AR-F15	Finisher
AR-F16	Saddle finisher
AR-PN4A/C/D	A: 2 hole, C: 4 hole,
	D: 4 hole wide punch unit
AR-CF2	Inserter
AR-P19	Network printer board with Network Interface Card
AR-PK5	Postscript 3 kit
AR-PF1	Barcode Font Kit
AR-FR11	Data Security Kit
AR-NS3	Network Scanner Expansion Kit
AR-U11/15M	Additional license kit (1/5 license)
AR-U1A/BM	Additional license kit (50/100 licenses)
AR-FX8	Fax Expansion Kit
AR-MM9	Fax Memory (8MB)

Finishing	Opt. Inserter	Opt. Finisher	Opt. Saddle Finisher
	(AR-CF2)	(AR-F15)	(AR-F16)
Output Capacity	n/a	Upper : 2,000	Upper : 2,000
	n/a	Lower : 2,000	Lower : 2,000
Functionality	100 Sheets Insertion	50 Sheets Multi-staple	50 Sheets Multi-staple
	60-256 g/m²	Off-set Shifting	Saddle Stitch with Folding
	Off-line Finishing (requires AR-F15 or AR-F16)	Hole Punch (requires AR-PN4A/C/D)	Off-set Shifting
			Hole Punch (requires AR-PN4A/C/D)

SHARP